



ARCHGARD

FIREPLACE PRODUCTS



WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS:

- * Do not try to light any appliance.
- * Do not touch any electrical switch; do not use any phone in your building.
- * Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- * If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

31-DVI33N

GAS FIRED VENTED ROOM
HEATER (DIRECT VENT)

USERS' INSTALLATION OPERATION AND MAINTENANCE MANUAL

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

*Conversion kit required for Propane use



INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

Tested and listed by



LABTEST Certification Inc
Richmond, British Columbia
ANSI Z21.88-2009/CSA 2.33-2009

200-0031
July 2011

INTRODUCTION

Congratulations on choosing an Archgard Gas Fireplace!

The 31-DVI33N is one of the most advanced Direct Vent Insert heaters available today. It is solidly designed using the latest technology and manufactured to the highest quality. It is our aim to provide you with an appliance for many trouble-free years of reliable service.

Some of the many features of your 31-DVI33N are:

- Heater Classification The 31-DVI33N is classified as a heating appliance. Therefore, it uses Direct Vent safety technology and it is suitable for continuously operated zone heating.
- High Efficiency The 31-DVI33N has one of the highest efficiencies of any Direct Vent gas insert, which means that it is less expensive to operate.
- Adjustable Fan Speed Each 31-DVI33N comes complete with a heat-activated circulation fan with a fully adjustable speed control.
- Adjustable Flame The flame aesthetics and heat output can be adjusted to suit the owner's liking and heating needs.
- Solid Construction The 31-DVI33N is mainly constructed of 16 and 18 gauge galvanized and aluminized coated steel for long life and durability.
- Optional Accessories Check with your Authorized Archgard Dealer for a full complement of decorative accessories to suit your home's décor and your tastes.
- Electronic Control System The 31-DVI33N uses a gas control valve that is operated by a Supreme Multifunction Remote Control. It can be used as either an Intermittent Pilot or Standing Pilot system.

Fireplace Model Number **31-DVI33N**

Fireplace Serial Number _____

Date of Installation _____

Type of Gas Used by the Fireplace _____

Dealer's Name _____

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CAUTION

FOR YOUR SAFETY - Do not install or operate your Archgard 31-DVI33N without reading and understanding this manual. Any installation or operational deviation from this instruction manual voids the Archgard Industries Warranty and may prove hazardous.

This appliance must be installed by a qualified gas installer and the installation must conform to the installation codes.

Provide adequate clearance around air openings.

Never obstruct front openings.

Provide adequate clearances for proper operation and servicing of the appliance.

This appliance must be properly connected to an approved venting system and must not be connected to a chimney flue serving a separate solid fuel burning appliance.

Must provide adequate clearance around the intake and exhaust openings

SAFETY

Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

Children and adults should be alerted to the hazards of high surface temperature and stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.

Clothing or other flammable material should not be placed on or near the appliance.

Do not operate with cracked or broken glass. Be careful not to strike or slam the glass.

Any safety screen or guard removed for servicing an appliance must be replaced prior to operating.

Installation and Repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that the control compartments, burners and circulating air passageways of the appliance are kept clean.

Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

APPLIANCE CERTIFICATION

This appliance was listed by LABTEST Certification Inc to the following USA and Canadian gas appliance standards.

- ANSI Z21.88-2009/CSA 2.33-2009 Vented Gas Fireplace Heaters
- CAN/CGA-2.17-M91, Gas-Fired Appliances for Use at High Altitudes
- CSA P.4.1-09 testing method for measuring annual fireplace efficiency.

The listing label is attached to the appliance on the bottom right side of the appliance.

A copy is shown on page

INSTALLATION CODES

This appliance must be installed by a qualified gas appliance installer. The installation must conform with the local codes or, in the absence of local codes, with the current National Fuel Gas Code ANSI Z223.1/ NFPA 54 in the US, or Installation Code CAN/CGA-B149.1 in Canada. Electrical connections and grounding must conform with local code, or current National Electrical code ANSI/NFPA No. 70-1987 in the US, and in Canada the current Canadian Electrical Code CSA C22.1.

A manufactured home (USA only) or mobile home OEM installation must conform with the Manufactured Home Construction and Safety Standard, Title 24CFR, Part 3280, or, when such a standard is not applicable, the Standard for manufactured Home Installations, ANSI/NCSBCS A225.1 or Standard for Gas Equipped Recreational vehicles and Mobile Housing, CSA Z240.4

SPECIFICATIONS

	Natural Gas (NG)	Propane (LP)
Manifold Pressure	3.5 in. W.C. (0.9 kPa)	10.0 in. W.C. (2.5 kPa)
Min. Supply Pressure Max Supply Pressure	4.5 in. W.C. (1.2 kPa) 14.0 in. W.C. (3.5 kPa)	11.0 in. W.C. (2.8 kPa) 14.0 in. W.C. (3.5 kPa)
Orifice Size	#32 DMS (2.82 mm dia)	#49 DMS (1.72 mm dia)
Nominal Input Rating	21,000 - 33,000 BTU/hr (6.1- 9.6kW)	21,000 - 33,000 BTU/hr (6.1 -9.6kW)
Electrical Rating	120 VAC, 60Hz less than 2 A. /	120 VAC, 60Hz less than 2 A. /
Gas Control	American Flame AF 4004	American Flame AF-4004
Altitude	0 - 4,500 ft. (0 - 1372 M)	0 - 4,500 ft. (0 - 1372 M)
Primary Air Opening	1/4" (6 mm) OPEN	FULLY OPEN

HIGH ALTITUDE INSTALLATION

When installing this appliance beyond 4500 ft. (1372 M) above sea level, the appliance must be properly de-rated and installed according to local codes, in the absence of local codes, with the current National Fuel Gas Code, ANSI Z223.1/ NFPA 54, in the US or Installation Code, CAN/CGA-B149, in Canada.

RATING PLATE



NG / NATURAL
 LP / PROPANE

DO NOT REMOVE THIS LABEL

de série
Serial # LC

NE PAS ENLEVER CETTE ÉTIQUETTE

MODEL / MODÈLE: 31-DVI33N

LISTED VENTED GAS FIREPLACE HEATER and GAS-FIRED APPLIANCES FOR USE AT HIGH ALTITUDES. RADIATEUR VENTILE, CIRCULATEUR DU TYPE VENTILATEUR. Tested to / Testée selon les normes : ANSI Z21.88-2009 / CSA 2.33-2009 and CAN/CGA-2.17-M91 VENTED GAS FIREPLACE HEATER-NOT FOR USE WITH SOLID FUEL. This vented gas fireplace heater is not for use with air filters. Certified for use in both CANADA and USA. / Certifiée pour l'emploi au CANADA et aux USA.

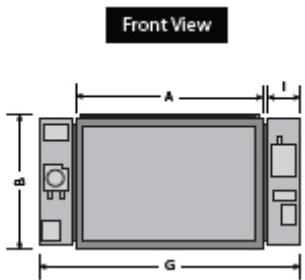
	NG	LPG
Input rating / Entrée assignée	21,000 - 33,000 BTU/hr (6.1 - 9.6 kW)	21,000 - 33,000 BTU/hr (6.1 - 9.6 kW)
Manifold pressure / Pression d'admission	3.5 in. W.C. (0.9 kPa)	10.0 in. W.C. (2.5 kPa)
Orifice size / Dimension de l'orifice	#32 DMS (2.9464 mm dia.)	#49 DMS (1.8542 mm dia.)
Minimum supply pressure for purpose of input adjustment / Pression minimale d'alimentation pour le but d'ajustement de contribution	4.5 in. W.C. (1.2 kPa)	11.0 in. W.C. (2.8 kPa)
Burner Primary Air Setting	1/4" (6 mm) Open	100% Open
Control valve / La soupape contrôle:	AMERICAN FLAME AF-4004	AMERICAN FLAME AF-4004
Altitude / Elevation	0 - 4500 ft (0 - 1372 m)	0 - 4500 ft (0 - 1372 m)
Electrical rating / Tension électrique	120 VAC, 60 Hz less than 2 A. / 120 V, 60 Hz Moins que 2 A.	
Keep burner and control compartment clean. See Instructions accompanying the heater. Maintenir propres le brûleur et le compartiment de commande. Voir les instructions relatives à l'installation et au fonctionnement qui accompagnent le radiateur.	Minimum clearances to Combustibles / Distances: Minimales entre l'appareil et les combustibles: Sides from face plate / Côtes: 1 " (25 mm) Mantle / Manteau: max 16" (305 mm) at min 39" (991 mm) from bottom of appliance / du pied de l'appareil See Owner's Manual for additional clearances	
Optional fuel conversion kit : 31-CKLP		

CONTROL PANEL LOCATIONS

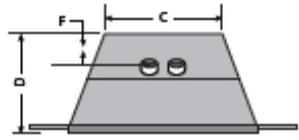
The control panels can be mounted in the following different ways. They are shipped in the "Controls In" configuration. They can be moved to the "Controls Out" configuration by removing the two mounting screw on each side and swinging the panels out and replacing the screws. They can also be disconnected and placed remotely within the limits of the gas connections and electrical wiring making sure to place them away from any heat source over 150 degrees Fahrenheit or 65 degrees Celsius

APPLIANCE DIMENSIONS

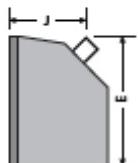
"Controls Out" Configuration



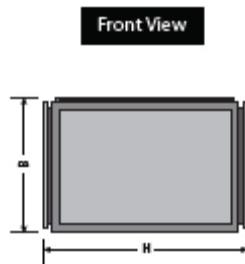
Top View



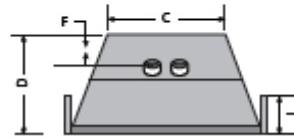
Side View



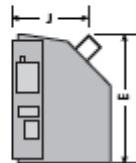
"Controls In" Configuration



Top View

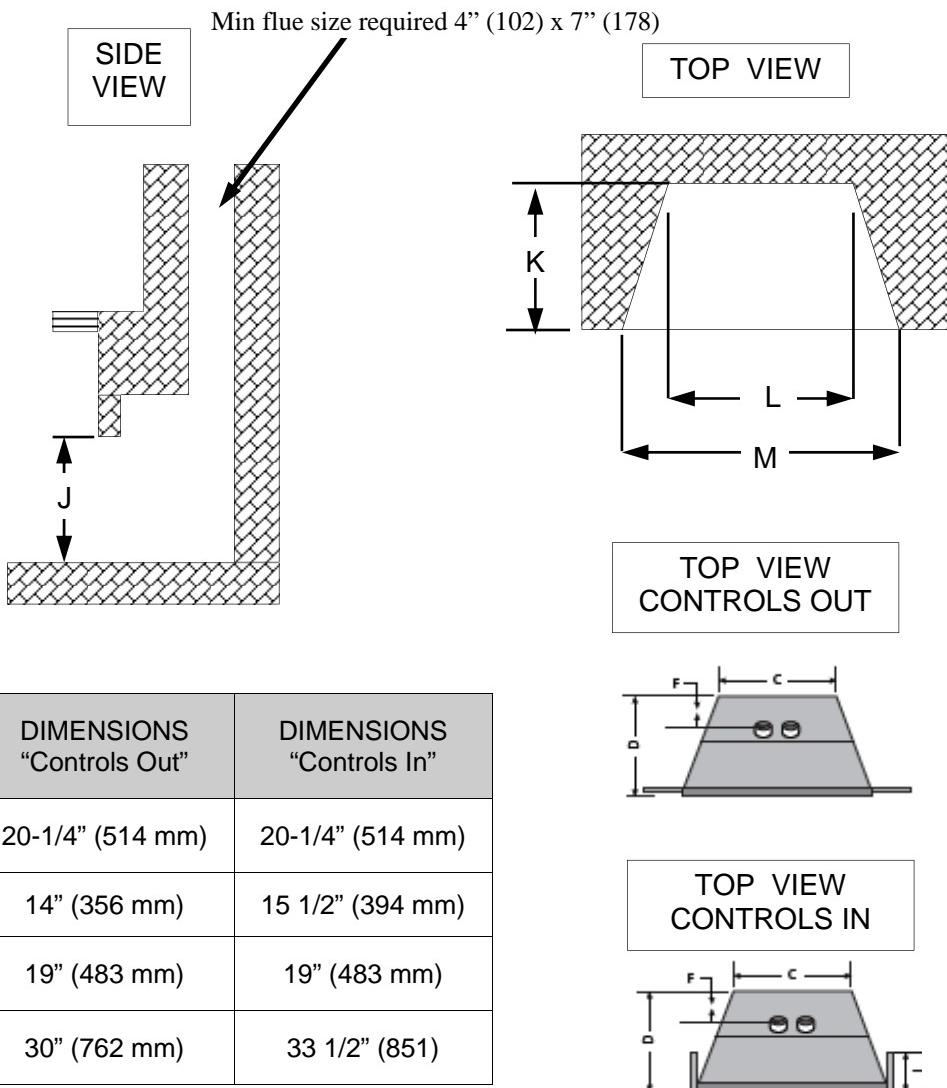


Side View



A	B	C	D	E	F	G	H	I	J
30"	20 1/4"	18-3/4"	16"	20"	2-1/2"	41-3/4"	33"	7"	12"
762 mm	514 mm	476 mm	406 mm	508 mm	63 mm	1060 mm	838 mm	178 mm	305 mm

MINIMUM FIREPLACE DIMENSIONS



WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

The installer must mechanically attach the marking supplied with the gas fireplace insert to the inside of the firebox of the fireplace into which the gas fireplace insert is installed.

Cutting of any sheet-metal parts of the fireplace, in which the gas fireplace insert is to be installed, is prohibited.

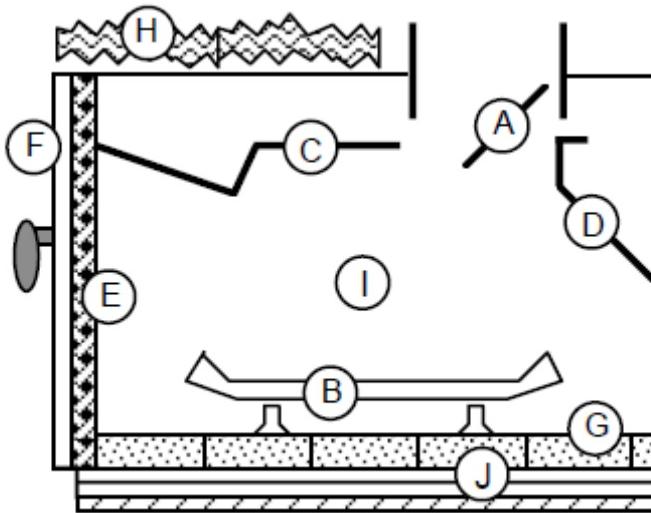
If the factory-built fireplace has no gas access hole (s) provided, an access hole of 1 1/2" (38.1 mm) or less may be drilled through the lower sides or bottom of the firebox in a proper workmanship-like manner. This access hole must be plugged with non-combustible insulation after the gas supply line has been installed.

The fireplace flue damper can be fully blocked open or removed for installation of the gas fireplace insert.

The fireplace and fireplace chimney must be clean and in good working order and constructed of non-combustible materials. The chimney cleanouts must fit properly.

Refractory, glass doors, screen rails, screen mesh and log grates can be removed from the fireplace before installing the gas fireplace insert.

Smoke shelves and baffles may be removed if attached by mechanical fasteners. Trim panels must not seal ventilation openings in the fireplace.

Factory –Built (metal) Wood-Burning Fireplace Requirements

Any parts that are removed must be saved and re-installed if the insert is ever removed.

The damper (A) and grate (B) must be removed

The smoke shelf (C), internal baffles (D), screen (E), masonry lining or refractory (G and I), and metal or glass doors (F) may be removed.

The fireplace must be permanently marked to indicate that it has been altered and is no longer suitable for burning any fuel unless the removed parts are reinstalled. Cutting out of any metal parts is prohibited, except the metal floor (J) as specified.

The metal floor of the firebox may be removed only if the following is strictly adhered to.

The metal floor (J) may be removed to allow additional room for installation of the insert. If the floor is removed the insert must be placed directly on the metal base of the metal fireplace. **Under no circumstance can it be placed directly on a combustible material.**

Any hearth extending out in front of the insert must not have any portion above 7" below the bottom of the unit made from combustible materials. This includes any type of framing underneath a non-combustible material such as tile, marble or stone. Any material below 7" can be combustible.

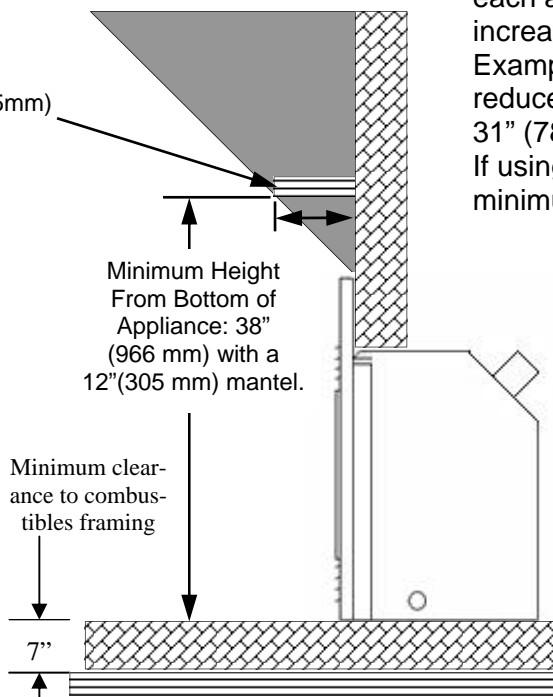
CLEARANCES TO COMBUSTIBLES

WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury or loss of life.

CAUTION: This appliance is designed for use in any masonry or factory-built, wood-burning fireplace. It cannot be enclosed by combustible material and used as a built-in gas fireplace.

SIDE VIEW

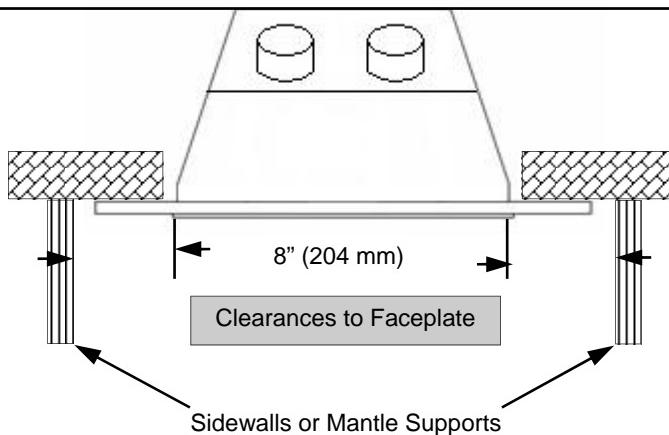
Note:
If existing wood fireplace hearth protection is removed it must be replaced by a non-combustible hearth protection extending 16" (406 mm) from the front of the fireplace insert or have a minimum 7" (178 mm) clearance below the bottom of the inserts.



Combustible mantle allowed in shaded area. Mantle extension maybe increased 1" (25.4 mm) for each additional 1" (25.4 mm) increase in clearance height.
Example: If using a 5" (127 mm) reduce minimum height to 31" (788 mm).
If using a 4" (102 mm) reduce minimum height to 30" (762 mm)

TOP VIEW

Minimum 8" (204 mm) clearance is required from the glass door frame to a sidewall or mantle support.



GAS CONNECTIONS

Before connecting the appliance to the gas supply line, double check that the appliance you have purchased is designed for the gas type you are using. The gas type markings are located on the certification label and also on the appliance's gas valve.

Adequate clearance for proper installation and checking of the gas connections must be provided. **All gas connections must be checked for gas leaks.**

Have your gas supplier or a qualified gas fitter run a gas supply line into the fireplace. The line must be properly sized and fitted according to the installation codes. Immediately upstream of the supply connection, the fitter shall provide an accessible manual shut-off valve. When connecting the supply line to the gas valve, the installer shall brace the gas valve to ensure that the gas valve is not moved from its bracket. If the valve is not braced when the supply line is connected, the valve may be moved and cause a "break" in the main burner supply line. Such damage is not covered by the manufacturer's warranty.

CAUTION: The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure-testing of that system at test pressures in excess of 1/2 psig (3.5 kPa). The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure-testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa). Failure to do so will damage the appliance's gas valve. Such damage is not covered by the manufacturer's warranty.

Natural Gas Pressure Settings:

The inlet supply or line pressure must be a minimum of 4.5" W.C. (1.2 kPa) and a maximum of 14" W.C. (3.5 kPa). The orifice is a #32 DMS (2.95 mm) drill size.

<u>ELEVATION</u>	<u>INPUT RATING</u>
0-4500 ft (0-1372 M)	33,000 BTU/hr (9.6 kW)
4500 ft (1372 M) and above.	33,000 BTU/hr (9.6 kW) less 4% per 1000 ft. (305 M)

Please contact your local distributor for the appropriate orifice size you require.

Propane Pressure Settings:

The inlet supply or line pressure must be a minimum of 11" W.C. (2.8 kPa) and a maximum of 14" W.C. (3.5 kPa). The orifice is a #49 DMS (1.85 mm) drill size.

<u>ELEVATION</u>	<u>INPUT RATING</u>
0-4500 ft. (0-1372 M)	33,000 BTU/hr (9.6 kW)
4500 ft. (1372 M) and above.	33,000 BTU/hr (9.6 kW) less 4% per 1000 ft. (305 M)

Please contact your local distributor for the appropriate orifice size you require.

NOTE: THE INPUT RATING SHOULD ALWAYS BE CHECKED WHEN FIRST RUNNING THIS APPLIANCE. To do this, reduce the background flow rate, time the meter, light the fireplace and take another reading after 15 minutes of operation. Check with your gas supplier for the gas BTU content at your elevation. Input is the rate of flow multiplied by the heating value of the gas (cubic feet/hour x BTU per cubic feet). Adjust the manifold pressure so that the unit does not operate above the rated input.

CONVERSION KIT INSTRUCTIONS

IMPORTANT: This fireplace is Natural gas ready. If converting to LP gas, follow instructions below

WARNING: This conversion kit shall be installed by a qualified service agency in accordance with the manufacturers instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result, causing property damage, personal injury or loss of life. The qualified service agency is responsible for proper installation of this kit. The installation is not proper and complete until operation of the converted appliance is checked as specified in the instructions supplied with the kit. Refer to appliance owner's manual or product data plate for proper inlet and manifold pressure adjustments and orifice sizing.

IMPORTANT: For high altitude installations above 4500 ft (1372 meters), consult local gas distributor or the authority having jurisdiction for proper de-rating methods.

KIT NUMBERS: "31-CKLP" for LP gas and "31-CKNG" for Natural Gas
KIT INCLUDES:

- 1– gas conversion label
- 1-burner orifice (#49 for LP) (#32 for Natural Gas)
- 1-gas type label
- 1-Low limit screw (#52)

**WARNING: SHUT OFF GAS SUPPLY AND ELECTRICAL POWER TO FIREPLACE
SHUT OFF GAS SUPPLY BEFORE DISCONNECTING ELECTRICAL POWER**

PREPARE THE FIREPLACE

Remove the surround, glass frame assembly, logs and brick (if applicable).

Remove the burner cover by removing the two screws at the back and lifting straight up.

Remove burner by removing the screw on each side of the burner and sliding the burner to the right until it lifts straight up.

Remove the burner orifice using a 1/2" wrench. Replace with the orifice supplied with the conversion kit. Use a small amount of pipe sealant.

Next use a 7/16" wrench and loosen the pilot hood 1/4 turn. Slide the tab at the bottom of the orifice hood all the way so the red side with the hole in it is showing. Tighten the pilot hood back up so that it is lined up with the two probes on both sides of the pilot assembly.

Re-install the burner, brick, logs, embers and door.

CONVERT THE GAS CONTROL VALVE AND REMOTE

Unscrew the threaded regulator cap on the control valve.

Press down on pressure regulator tube and rotate 90 degrees. The tube should only come up half way for LP after released and the line should point to LP. Screw cap back on.

Remove Low limit screw (brass screw in front and to the right of the valve motor) and replace with the new screw supplied in the conversion kit.

CONVERSION KIT INSTRUCTIONS CONT.

CONVERT THE GAS CONTROL VALVE, MAIN CONTROL MODULE AND REMOTE

GAS CONTROL VALVE:

Unscrew the threaded regulator cap on the control valve.

Press down on pressure regulator tube and rotate 90 degrees. The tube should only come up half way for LP after released and the line should point to LP. Screw cap back on.

Remove Low limit screw (brass screw in front and to the right of the valve motor) and replace with the new screw supplied in the conversion kit.

MAIN CONTROL MODULE:

Press and hold the learn button on the main control module for 20 seconds (on top next to the cable connection). A beep (1 second for LP and 3 seconds for natural gas) will be heard letting you know the procedure has been completed.

REMOTE:

Press and hold the Flame Rear and Prog/Time buttons on the remote simultaneously for 5 seconds. The Temperature will start to flash. Push the set button until the NG or LP on the lower left of the display is flashing. Push the up or down button until the proper fuel type is displayed. Wait 20 seconds and the display will stop flashing and the remote is now set for the desired fuel type.

COMPLETE THE CONVERSION

Turn on the gas and electrical supplies.

Turn on the fireplace so the burner is on

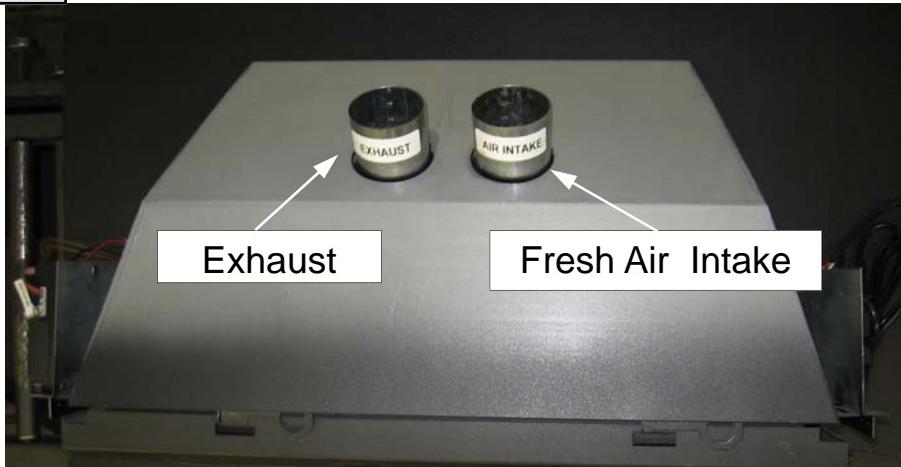
Check for leaks at **all** connections.

Test inlet pressure. Visually check pilot flame. Flame should envelope top of the flame sensor and extend forward onto the burner. To adjust pilot turn the pilot adjustment screw on the control valve clockwise to decrease or counter clockwise to increase pilot flame.

Turn fireplace off

Affix gas type label to the rating plate label. (Bottom right side, under the door frame of insert on pull chain)

Complete the conversion label and affix to valve assembly plate.

APPLIANCE DESCRIPTION**TOP VIEW**

Exhaust

Fresh Air Intake

FRONT VIEW

On/Off
Rocker
Switch

Surround
"Faceplate"

Ceramic
Glass with
standard
black door
frame

**LEVELING THE 31-DVI33N**

Before placing the appliance into the fireplace, check the hearth of the fireplace to see if it is level with the front of the fireplace. If it is not, measure the depth of the hearth. Loosen the three screws of the leveling "L" bracket at the back of the appliance. Lower it to the measurement obtained and tighten the screws.

ELECTRICAL CONNECTIONS

The 31-DVI33N comes complete with a temperature-activated fan and rheostat installed and wired to a three-prong (grounding) plug for your protection against shock hazard and should be plugged in directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

NOTE: This appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the **National Electrical Code, ANSI / NFPA 70**, or the **Canadian Electrical code, CSA C22.1**.

VENTING INSTRUCTIONS

WARNING: Operation of this heater when not connected to a properly installed and maintained venting system can result in carbon monoxide (CO) poisoning and possible death. The appliance must not be connected to a chimney flue serving a separate solid fuel burning appliance.

Caution: Only two 3" (76 mm) "FLEX-MASTER" Model GA gas flex vent liners (or approved equivalent) and a vent terminal is approved for use with this appliance.

Approved vent terminals are:

- Archgard terminal. Part # 999-INS-TK
- Simpsons Dura-Vent terminal. Part # 980, 923GK (adaptor with flashing) or 991 (high wind cap). If you are using "Dura-Vent" vertical termination cap, follow the instructions provided with the "Dura-Vent" cap.

NO OTHER VENTING SYSTEM OR COMPONENTS MAY BE USED.

This appliance is designed to attach to two 3" (76 mm) co-linear aluminum flex gas liners running the full length of the chimney. The flue length must be a minimum of 8' (2.44 M) and a maximum of 40' (12.2 M). **(The exhaust vent restrictor provided with this appliance must only be used by installing it onto the front of the baffle on natural gas units with vent heights over 18' (5.4 M).** Also refer to the following page for details. The minimum flue size is 4" x7" (100 mm X 178 mm).

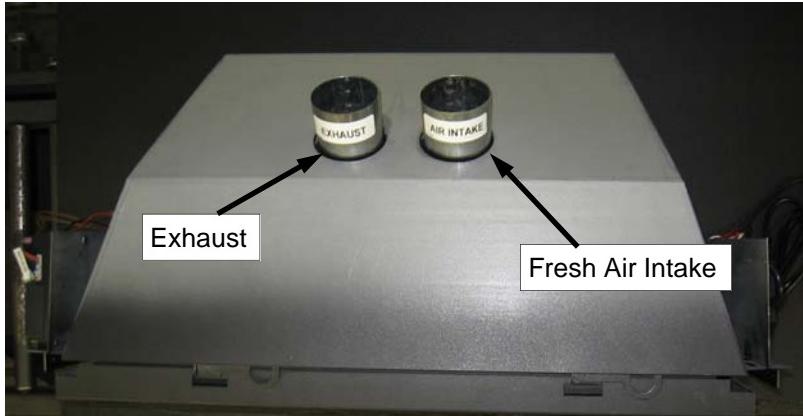
Masonry chimneys may take various contours which the flexible liner will accommodate, however, keep the flexible liner as straight as possible, avoiding unnecessary bending but at all times keep a minimum of 3" (76 mm) inside bend radius.

The Air Intake Flex Liner must be connected to the inlet air collars of the termination cap and the appliance. The Exhaust Flex Liner must be connected to the exhaust collars of the termination cap and the appliance. **(DO NOT MIX-UP THESE CONNECTIONS).**

The Air intake and Exhaust connections are marked on the gas appliance. See Fig. 1.

CAUTION: To ensure that the venting path is not accidentally obstructed or punctured, the damper of the host fireplace must be permanently disabled by either complete removal of the damper, or welding it in its "open" position. Temporarily disabling the damper with braces,

The 31-DVI33N showing the Fresh Air Intake and Exhaust locations.
These connections are labeled for you.



**The 31-DVI33N
requires two flexible
gas flue liners:**

**Flue Collar (inlet) -
3" (76 mm) diameter**

**Flue Collar (outlet) -
3" (76 mm) diameter**

Fig. 1

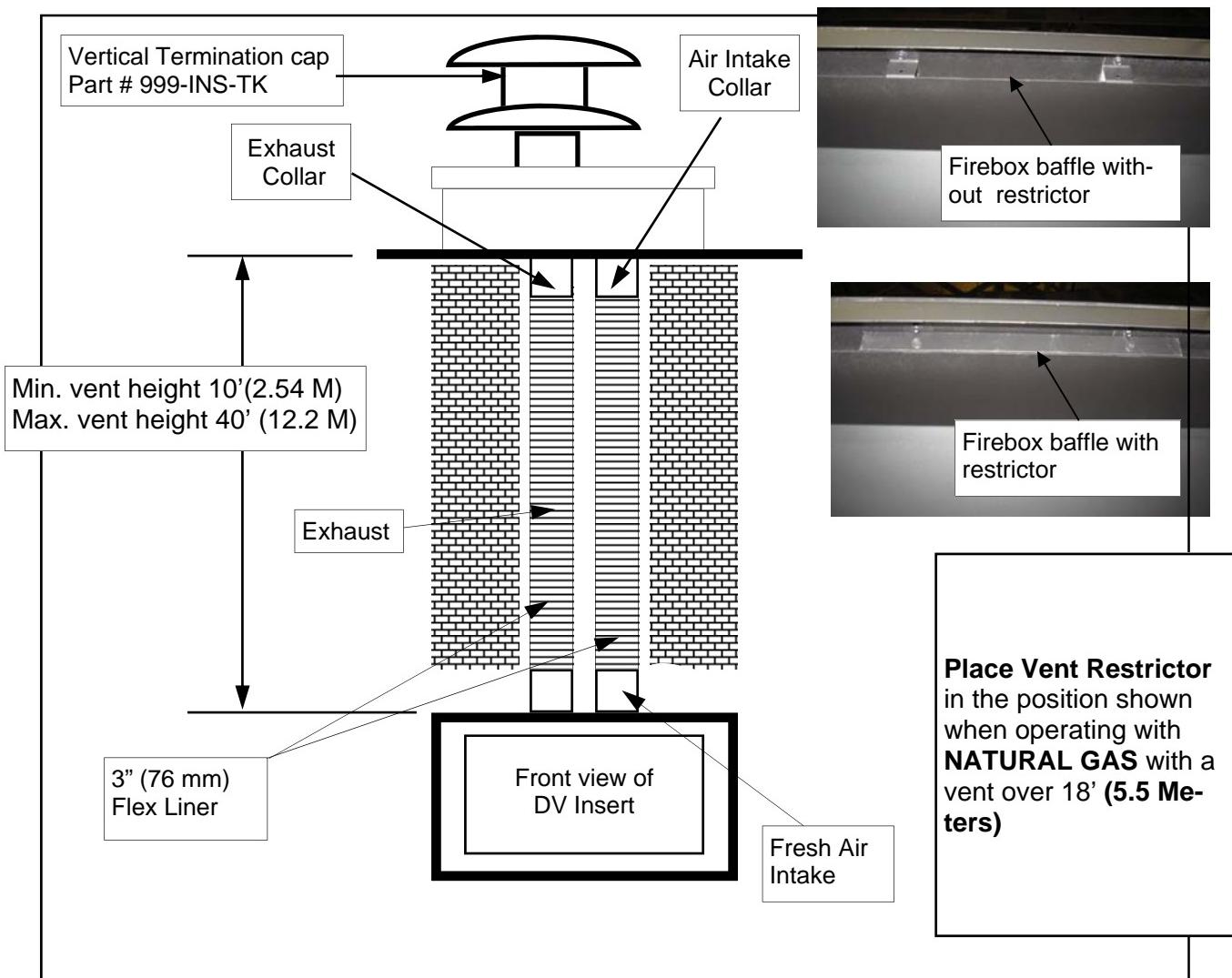
VENTING INSTRUCTIONS 999-INS-TK

Instructions for use with Archgard vertical termination cap. Part # 999-INS-TK

Install the termination cap being sure to provide sufficient space (around and on top) so as not to impede the flow of air, both into and out of the cap. This cap is only to be used for non combustible installations. Do not recess into the top of the chimney.

1. Mark each end of one liner with "Air Intake".
2. Mark each end of the second liner with "Exhaust".
3. Pull the liner through the chimney.
4. Install the flashing. **Do Not bend or cut the flashing in any way.**
5. Seal and attach the liner marked "Air Intake" to the vent terminal pipe marked "Air Intake" with the collar clamp provided.
6. Seal and attach the liner marked "Exhaust" to the vent terminal pipe marked "Exhaust" with the collar clamp provided.
7. Seal and attach the end of the flex marked "Air Intake" to the collar marked "Air Intake" on the appliance with the collar clamp provided with the unit.
8. **Install exhaust vent restrictors provided with the unit on Natural Gas appliances only.** Seal and attach the end of the flex marked "Exhaust" to the collar marked "Exhaust" on the appliance.
9. Caulk all joints using a high temperature sealant such as milpac. **DO NOT USE SILICONE SEALANTS. Use of silicon sealants voids the warranty of the pilot assembly.**

NOTE: The vertical termination cap must be sealed to the liner with suitable high temperature sealant and with the hose clamps fasteners provided. The liners must form a complete connection from the appliance flue collars to the vertical termination cap.



The minimum flue (chimney) size required to run the two 3" (76 mm) is 4" x7" (100 mm X 178 mm)

SURROUND INSTALLATION

Surround options available are dependent upon the control panel configuration. (See Control Panel Locations regarding configuration.) Shallow surround options are not available on a unit with 'Controls Out' configuration.

Make sure the gas and electrical lines are properly connected to the appliance. Slide the unit into the fireplace and slide the excess flue liner material back onto the chimney. Before the appliance is fully recessed into the fireplace, attach the surround onto the appliance.

Attach the surround to the appliance at the locations shown by lining up the tabs on the surround with the slots on the unit. Make sure the surround drops down and fully engages. Then finish with the wiring connection to the on/off switch on the side of the trim. Now fully "seat" the unit into its final position.

Surround Mounting slots



Surround Mounting tabs



LOG PLACEMENT

The Archgard pan burner bed and fiber logs are designed to give a realistic fire package, and created to look the same as the day they were originally installed. Care must be given when first installing the logs, and if removed for servicing, as they can be damaged or broken if not handled properly.

After opening the log set package, inspect the logs to ensure that no damage has occurred inside the package. Please report any damage immediately to your Authorized Archgard Dealer.

Gas and vent connection must be made before installing the embers and logs on the pan burner.

NOTE: Improper placement of logs and embers may cause sooting on the internal parts and glass and will not be covered under warranty. Do not use broken or damaged logs.

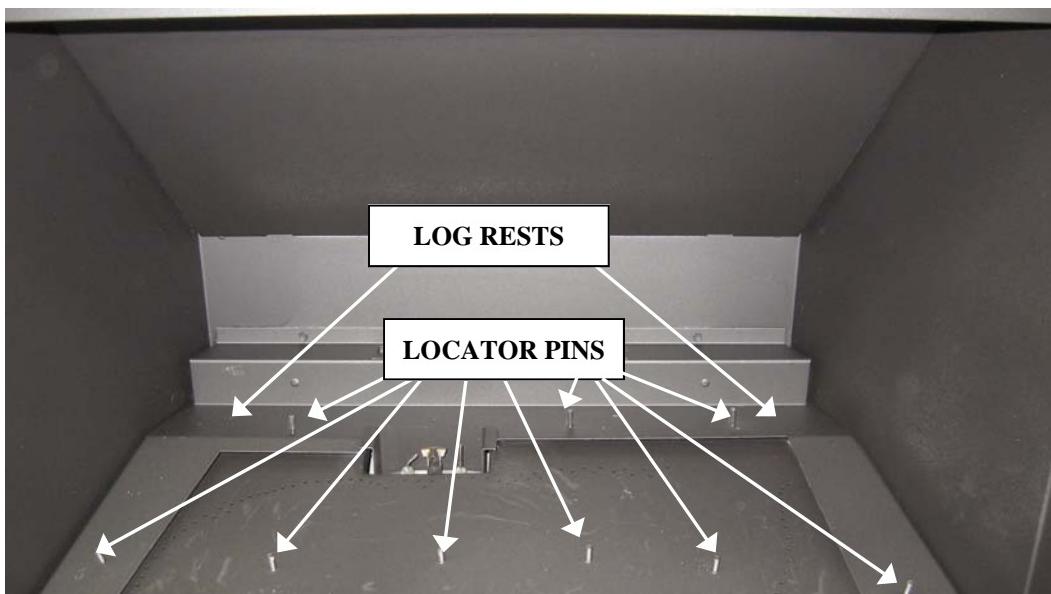
WARNING:

Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

Locate the embers and logs and place them on their prospective locations. Refer to the pictured instructions on the following pages that will show how to place all seven (7) logs. Pins and holes must be aligned with logs and burner.

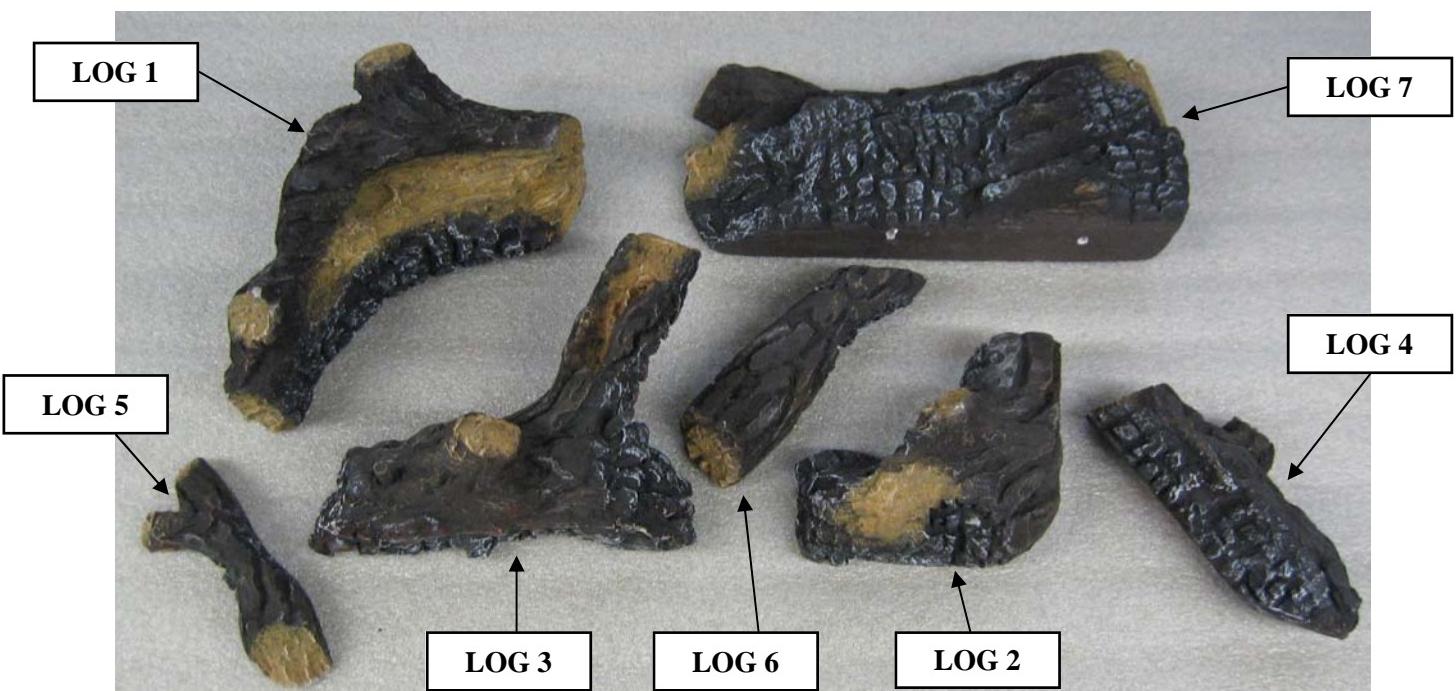
IMPORTANT: Embers should be placed so as not to block burner ports. Separate the material and spread around the pan as shown below.

Locator Pins and Embers Shown



NOTE: Installing the fiber logs in any other position other than shown will result in flame impingement causing sooting of the logs, brick liner and ceramic glass viewing area.

Logs



LOG PLACEMENT... Continued

Step 1. Locate Log 1 and align the holes in the bottom line up with the two locator pins. Push the top of the log up so it is against the back shelf. Push down firmly onto locator pins.



Step 2. Locate Log 7 and place over the two pins and all the way back against the back shelf and to the left so it is almost touching Log 1. Force the log down onto the locator pins.
NOTE: There are no holes in Log 7 must use gentle force.



LOG PLACEMENT... Continued

Step 3. Locate Log 3 and align the two holes in the log with the two locator pins on the left of the burner. Push down onto locator pins as shown.



Step 4. Locate Log 2 and align the two holes in the log with the two locator pins on the right side of the burner. Push down onto locator pins as shown.



LOG PLACEMENT... Continued

Step 5. Locate Log 5 and align the hole in the bottom with the pin in log 3. Place the other end of the log in the saddle of log 1.



Step 6. Locate Log 6 and align the hole in the bottom with the locator pin in log 4. Place the other end of the log on the burner and pulled forward against log 2.



Step 7. Locate Log 4 and align the hole in the bottom with the pin on the burner surround tray. Place the other end onto log 2 as shown.



Step 8. Place black embers around logs as shown , do not block the holes in the burner.



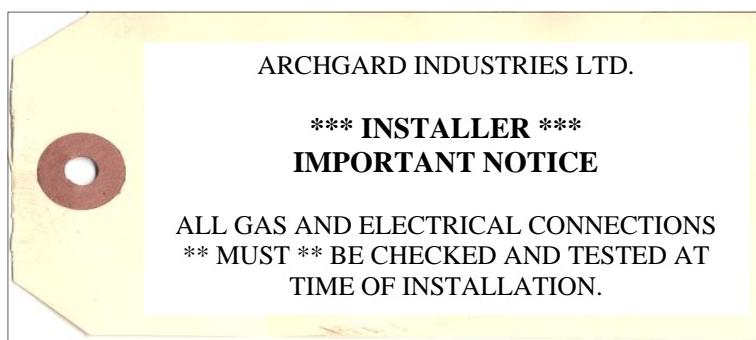
FINAL INSTALLATION CHECK

Each Archgard Gas Fireplace is checked and tested at the factory prior to being packaged and shipped to our dealers and finally installed in your home. Archgard recommends that before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly and that the electrical system is in working order. **This will include:**

1. Perform leak tests of supply line, gas control valve, supply line from gas control valve and pilot assembly.
2. Clocking the appliance to ensure the correct firing rate (see page 9 of this manual).
3. If required, adjusting the primary air to burner to ensure that the flame does not carbon or soot.
4. Check for proper operation including correct drafting.
5. The FAN system should be turned ON for a minimum of 10-15 minutes to ensure that the fan, rheostat and fan sensor are all working correctly. After the system has been checked and confirmed that the fan components are in working order, turn the fan system OFF and refer to the instructions for FIRST FIRE located in this manual.

As a reminder, a TAG is attached to all of our gas fireplaces. This TAG is located at the gas control valve. See Fig 1.

Fig 1.



Any alteration to the product that causes carboning or sooting that results in any damage or requires cleaning is not the responsibility of the manufacturer.

INITIAL OPERATION

1. Check that the appliance is properly vented and connected to the gas supply.
2. Check that the logs and branches are properly placed.
3. Check that all external parts, such as door and faceplate are properly attached and fastened.
4. Do not operate this appliance with broken, cracked glass doors or without the door (s) in its correct (and latched) position. Do not abuse the glass by either striking or slamming shut.
5. Check that there are no fingerprints left on glass panels, as high temperature can bake these prints on permanently.

FIRST FIRE

When operated for the first few times, the appliance will emit some odor and fumes. This is due to the heat from the appliance evaporating the oils and solvents used in fabricating the appliance. Close off the room to the rest of the house and open all windows. Keep the room well ventilated, as smoke alarm may sound. Run the appliance for at least 6 hours at maximum setting with blower set to "OFF" to allow paint to cure (after the installer has checked to ensure the fan is operational). Smoke and fumes caused by the curing process may cause discomfort to some individuals.

LIGHTING INSTRUCTIONS - CAUTION

WARNING : If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life. Do not operate the appliance with the glass front removed, cracked or broken. Replacement of broken glass should be done by a licensed or qualified service person.

WARNING : This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS:

- * Do not try to light any appliance.
- * Do not touch any electrical switch; do not use any phone in your building.
- * Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- * If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

1. **BEFORE LIGHTING**, smell all around the appliance area for gas. Be sure to smell next to the floor, because some gasses are heavier than air and will settle on the floor.
2. **IF YOU SMELL GAS**, follow the instructions as listed directly above or as shown on the front cover of this manual.
3. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.
4. This appliance is equipped with an ignition device which automatically lights the pilot and main burner. The pilot and burner light automatically with the hand held remote or with the switch on the side of the surround if it is activated.

LIGHTING INSTRUCTIONS ON RATING PLATE

FOR YOUR SAFETY READ BEFORE LIGHTING

Pour votre sécurité Veuillez lire avant d'allumer

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

ATTENTION: Si vous ne suivez pas ces instructions à la lettre, un feu ou une explosion entraînant des dommages matériels, des blessures ou la perte de la vie.

- A. This appliance has a pilot which must be lighted by a spark ignitor. When lighting the pilot follow these instructions exactly.
- B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions. If you cannot reach your gas supplier, call the fire department.
- C. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

- A. Cet appareil possède une veilleuse qui doit être éclairée par une bougie d'allumage. En allumant le pilote suivez ces instructions à la lettre.
- B. AVANT D'ALLUMER odeur tout autour de l'appareil pour le gaz. Assurez-vous de sentir à côté du plancher, car certains gaz sont plus lourds que l'air et se déposent sur le sol.
- QUE FAIRE SI VOUS UNE ODEUR DE GAZ
 - Ne pas tenter d'allumer l'appareil.
 - Ne touchez à aucun interrupteur électrique; ne pas utiliser le téléphone dans votre immeuble.
 - Appelez immédiatement votre fournisseur de gaz de téléphone d'un voisin. Suivez les instructions du fournisseur de gaz.
 - Si vous ne pouvez pas joindre votre fournisseur de gaz,appelez les pompiers.
- C. Ne pas utiliser cet appareil si une partie a été sous l'eau. Appeler immédiatement un technicien qualifié pour inspecter l'appareil et remplacer toute pièce du système de contrôle et de commande du gaz qui a été sous l'eau.

LIGHTING INSTRUCTIONS INSTRUCTIONS D'ALLUMAGE

STOP! Read the safety information above on this label.

1. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand
2. Set the remote switch to "OFF"
3. Turn on the electric power to the appliance.
4. Open the Gas isolation valve
5. Turn remote to the "ON" position
 - If the pilot and burner will not stay lit after several tries, turn the remote to the "OFF" and check the lighting instructions in the manual or call your service technician or gas supplier.

STOP! Lire les consignes de sécurité ci-dessus sur cette étiquette.

1. Cet appareil est équipé d'un dispositif d'allumage qui allume automatiquement le pilote. Ne pas tenter d'allumer le pilote à la main
2. Réglez le commutateur à distance sur "OFF"
3. Tournez sur la puissance électrique de l'appareil.
4. Ouvrez la vanne d'isolement de gaz
5. Tournez à distance à la position «ON»
 - Si le pilote et le brûleur ne reste pas allumée après plusieurs tentatives, tourner la télécommande sur le "OFF" et vérifiez les instructions dans le manuel d'éclairage ou appelez votre technicien ou votre fournisseur de gaz.

TO TURN OFF GAS TO APPLIANCE INSTRUCTIONS D'ALLUMAGE

1. Set the remote switch to "OFF".
2. Turn off all electric power to the appliance if service is to be performed.
3. Close the gas isolation valve

1. Réglez le commutateur à distance sur "OFF".
2. Coupez l'alimentation électrique de l'appareil si le service doit être exécuté.
3. Fermez la vanne d'isolement de gaz

REMOTE CONTROL SETUP AND OPERATION

AF-4000 Supreme Hand-Held Remote Control Set-Up and User Guide

Initial Setup

Installation of (2) AAA-size batteries will activate the setup mode. Setup mode can also be activated by pressing the FLAME REAR and PROG/TIME buttons simultaneously for 5 seconds. The control will exit setup mode if no button is pressed for 20 seconds. Appropriate icon on LCD will flash when ready for setup.

Press the UP or Down button in setup mode to change the temperature scale. Press SET button to skip or advance to Fuel Type setup.

Press the UP or DOWN button to switch control from Natural to LP, or LP to Natural Gas. Press SET button to skip or advance to Clock setup.

Press the UP or Down Button to set the hour. Press SET to advance to minutes.

Press the UP or Down button to set minutes. Press SET to advance to AM or PM.

Press the UP or Down button to set AM or PM. Press the SET button to advance to the day of week.

Use UP or Down button to select the day of the week.

The control will exit setup mode in 20 seconds.

MODE Button

The MODE button cycles the unit through the basic operational modes.

When off, press and release the MODE button to turn the unit on in Manual mode.

Press and release the MODE button again, and the unit will operate in the Thermostat mode.

Press and release the MODE button again, and the unit will turn off.

Program Mode

The Program function is controlled by the PROG/TIME button. The control may be programmed for up to two settings for weekdays and two settings for weekends. The control is preset to factory settings.

When the Program Mode is activated, the unit will automatically be operating in the Thermostat Mode. The unit will turn on or off based upon room and set temperature.

REMOTE CONTROL SETUP AND OPERATION CONT.

To activate the Program mode, press and release the PROG/TIME button.

To change the settings for the Program mode, press and hold the PROG/TIME button for 5 seconds. The program feature will flash at the top of the screen.

Press the UP or DOWN button to change the setting of the weekday (MTWTF) P1 ON. Press and release the SET button.

Press the UP or DOWN button to change the setting of P1 OFF. Press and release the SET button.

Press the UP or DOWN button to change the setting of P2 ON. Press and release the SET button.

Press the UP or DOWN button to change the setting of P2 OFF. Press and release the SET button.

Press the UP or DOWN button to change the setting of the weekend (SS) P1 ON. Press and release the SET button.

Press the UP or DOWN button to change the setting of P1 OFF. Press and release the SET button.

Press the UP or DOWN button to change the setting of P2 ON. Press and release the SET button.

Press the UP or DOWN button to change the setting of P2 OFF. Press and release the SET button. The Program Mode has been re-programmed.

Countdown Timer

The Countdown Timer Mode allows the control to operate the unit for up to 3 hours, in 10-minute increments. It can be operated in either the Manual or Thermostat Modes.

To enter Timer Mode, press and release the TIMER button. The Timer icon will flash.

Press the UP or DOWN button to set the running time, in 10-minute increments. Press and release the SET button. The timer will run for the set time duration.

Pressing the TIMER button while in Timer Mode will terminate the Timer operation. The Timer operation will also terminate if the MODE button is cycled to off.

Thermostat Mode

The unit is placed in Thermostat Mode using the MODE button. Placing the unit in Thermostat Mode will activate the numbers in the smaller window on the LCD screen.

Press the UP or DOWN button to change the thermostat set temperature. When the desired set temperature appears, press and release the SET button to set.

If the SET button is not pressed, the set temperature will automatically be set after 5 seconds.

The Thermostat Mode can be de-activated by pressing the MODE button.

REMOTE CONTROL SETUP AND OPERATION CONT.

Thermostatic Flame Modulation

This control can perform Main Flame Modulation using the Thermostat. The control will shut the unit off when the room temperature reaches 2° above set temperature. The Thermostat will automatically modulate the main flame as follows:

2° above set temperature	OFF
1° above set temperature at set temperature	Flame Level 1 Flame Level 2
1° below set temperature	Flame Level 3
2° below set temperature	Flame Level 4
3° below set temperature	Flame Level 5
4° below set temperature	Flame Level 6
5° below set temperature	Flame Level 7

Manual Flame Modulation – Main Flame

To change the Flame Level manually, press the FLAME MAIN button. The current level will show in the MAIN box on the LCD screen.

Press the UP or DOWN button to change the Flame Level.

When the unit is turned on, whether in Manual, Thermostatic, or Program Mode, the Main Flame will automatically ignite at the High (7) setting. After 5 seconds, the flame will default to the previous setting.

Manual Flame Modulation – Rear Flame

To change the Rear Flame Level manually, press the FLAME REAR button. The current level will show in the REAR box on the LCD screen.

Press the UP or DOWN button to change the Rear Flame Level.

When the unit is turned on, whether in Manual, Thermostatic, or Program Mode, the Rear Flame will automatically ignite at the High (3) setting. After 5 seconds, the flame will default to the previous setting.

Note:

The rear flame level is dependant upon gas flow through the main valve. Therefore, if the Main Flame setting is less than high, the rear flame gas flow will be reduced proportionately at all levels.

Fan Control

The unit must be ON to operate the Fan.

The Fan will turn on after 5 minutes of operation. Once the Fan comes on, it can be controlled using the FAN button.

REMOTE CONTROL SETUP AND OPERATION CONT.

Press the FAN button, and the fan icon and speed will appear on the LCD screen.

Press the UP or DOWN button to control the fan speed (0-6). Press the DOWN button until 0 Level is reached to turn the Fan off.

The fan will run for 12 minutes after the unit is shut off in any mode. The fan may not be controlled during this period.

Lights

The unit does NOT have to be on to operate the lights.

Lights are controlled by the LIGHTS button on the transmitter. Press the LIGHTS button and the light icon and intensity level will appear on the LCD screen.

Press the UP or DOWN button to set the light intensity level. Press SET, or wait 7 seconds, and the light intensity setting will be established.

Continuous Pilot

The unit can be changed from Intermittent Pilot Ignition (IPI), to Continuous, or standing, pilot.

To place the unit in continuous pilot mode, press and release the PROG/TIME and the FLAME MAIN buttons simultaneously. Continuous Pilot will appear on the LCD screen.

Repeat the simultaneous PROG/TIME and FLAME MAIN push to place the unit back in IPI mode.

This feature can also be activated by the Continuous Pilot (On/Off) switch on the Main Module.

Child Lock-Out

The Child Lock-out feature can be activated by pressing the PROG/Time and UP buttons simultaneously. CP will appear on the LCD screen, and no signals can be sent from the transmitter.

To take the control out of Child Lock-out mode, repeat the above step. CP will disappear from the screen.

Learn Function

To program the system to a transmitter, press the LEARN button on the Main Module. A single audible beep will be heard.

Press the MODE button on the transmitter to learn the transmitter to the system. A series of beeps will be heard.

Up to two additional (NON-THERMOSTATIC) transmitters can be used simultaneously. To learn additional transmitters, press and release the learn button again, and press the on button on the additional transmitters.

REMOTE CONTROL SETUP AND OPERATION CONT.

To clear all transmitters and start over, press and hold the LEARN button for 10 seconds. A series of three beeps will be heard, and the system is clear.

Low Battery Indicator

A low battery icon will appear on LCD screen when transmitter batteries reach low voltage level.

Thermal Safety

When the internal components of the Main Module reach 170°F, the unit will automatically shut off, and send a repetitive audible signal. The unit can be turned back on when the module cools below 160°

Communication Safety

When in the Thermostat or Program Mode, the transmitter will send a silent signal to the module every 15 minutes. If a signal is not received within 2 hours due to dead batteries, lost transmitter, or transmitter out of range, the unit will automatically shut down, and the module will send a repetitive audible signal.

GLASS DOOR REMOVAL AND REPLACEMENT

WARNING: Do not operate appliance with the glass front cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.

CAUTION: Do not attempt to remove the glass door when the appliance is hot.

1. Just above the door frame reach in and pull the two finger rings forward (see figure 1).
2. Pull and lift the finger rings to detach from the door frame (see figure 2).
3. Pull the door forward until the bottom catches release.
4. Lift door up and away.
5. To replace the door line up the two bottom catches with the notches on the fireplace. While pushing evenly on the bottom of the door lift up on the top of the door until it engages.
6. Push down on the top of the door to ensure the door is seated all the way down on the catches.
7. Pull the finger rings out and down to engage in the slots on the top of the door frame.
8. Push the finger rings back in.



FIGURE 1



FIGURE 2

IF YOUR GLASS BREAKS

In the event your glass cracks or breaks, Archgard recommends that a new door assembly be ordered to replace the original door.

- Remove door as per the instructions above.
- Replace with new door assembly.

NOTE: the NEW door will emit some odor when the appliance is re-lit and the odor will dissipate after the gasket material within the door has cured.

Warning : Do not use substitute glazing materials

MAINTENANCE**CAUTION:**

Do not conduct maintenance on the appliance while it is operating or while it is still hot.

CLEANING THE APPLIANCE

The exterior painted surfaces, glass and gold trims may be cleaned with a soft, non-abrasive cloth and water or a suitable, mild, non-abrasive cleaner.

Regularly:

- Frequent cleaning of the ceramic glass is required. Archgard recommends using a good quality "gas fireplace" glass cleaner that is available at any hearth retail location. DO NOT CLEAN WHILE HOT.
- Clean and remove any lint accumulations or debris from the grills and in any combustion and convection air passage ways.
- Keep the appliance area free from combustible materials, such as paper, wood, clothing, gasoline and flammable solids, liquids and vapors.
- Visually check the height and color of the burner and pilot flames.

Every 2 to 3 months:

- Remove the glass door and clean the inside of the glass with a good quality "gas fireplace" glass cleaner. DO NOT CLEAN WHILE HOT.
- Carefully remove the logs and gently brush off any loose carbon deposits. This job is best done outside the house, wearing a dust mask. The logs are very fragile, take care not to break them. **Do not wash logs with any liquid.** While the logs are removed, check that all burner openings are not obstructed and it is recommended you use a vacuum cleaner to clean off any dust or lint.
- After cleaning, the logs and embers must be replaced as per the instructions in this manual.

Once a year, have a qualified service technician:

- Completely inspect the appliance and the venting system, if the vent pipe or seal is found to be defective, replace and or reseal (follow the instructions found in the venting instructions section)
- Clean and remove any lint accumulations or debris in the firebox, on the burners, on the pilot, at the primary air opening, on the convection air blower and in any combustion and convection air passageways.
- Check the safety system of the gas valve and the appliance.

WARNING: All parts removed or disturbed, including guards and grills, must be properly replaced after maintenance. Service and repair must be conducted by a qualified service person. If these instructions are not followed, a fire or explosion may result, causing property damage, personal injury or loss of life.

SERVICING UNDER WARRANTY

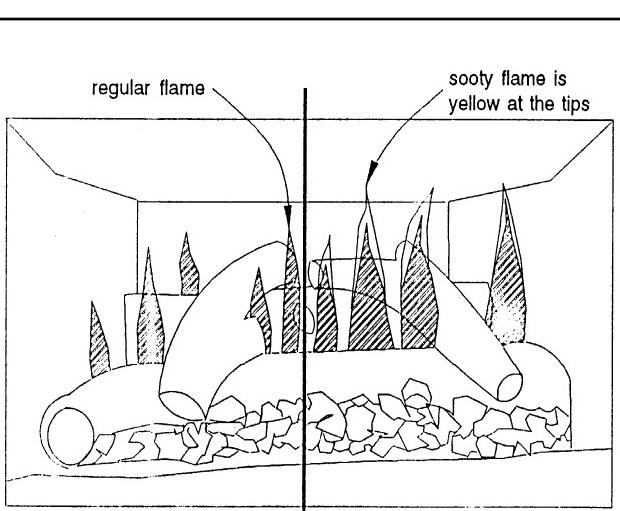
Before servicing, read the terms and conditions of the Archgard warranty at the back of the manual. Contact the authorized Archgard dealer where you purchased the appliance from and provide them with details of the problem, along with the initial installation information (from the front of this manual).

WARNING: Servicing of this appliance **must be conducted by a qualified service technician.** Improper servicing, adjustment or alteration of this appliance may cause property damage, personal injury or loss of life. All servicing should be conducted with the appliance cold. All replacement parts must be authorized by Archgard for suitability.

ADJUSTING PRIMARY AIR

NOTE: Figure 1 is to give an *example* of what a correct or incorrect flame pattern looks like. It is not a true representation of what the 31-DVI33N will look like in your home environment. The air shutter can be adjusted from the front of the unit while in operation. All adjustments should be made after 20 minutes of operation.

1. Locate the Robertson screw below the glass door and left of center.
2. Turn the screw clockwise to give more air (less yellow flame). Turn the screw counter clockwise to give less air (more yellow flame).

**FLAMES**

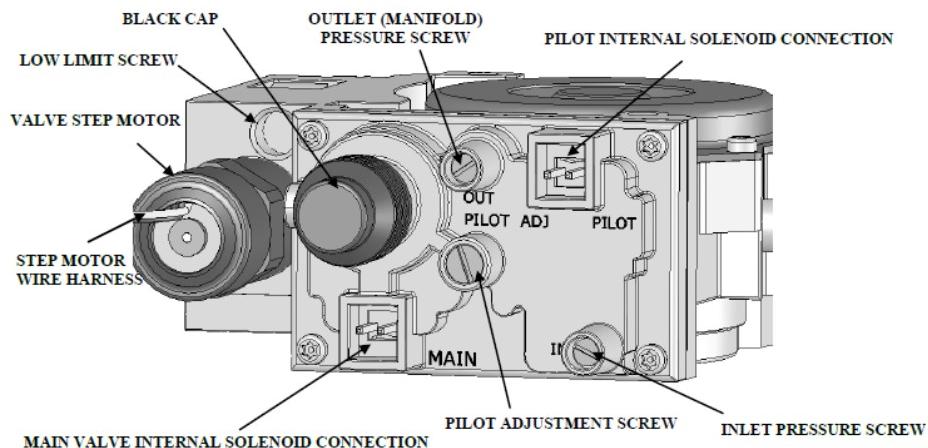
The left side shows correct adjustment. The right side shows yellow sooty flames requiring increase in shutter opening or cleaning of shutter area, due to lint buildup.

FIGURE 1

CHECKING INLET AND OUTLET GAS PRESSURE

1. Remove the surround.
2. The pressure test taps are located on the valve. The taps are located in the gas valve front face. The inlet is marked 'IN' and the outlet is marked 'OUT'. See Fig.1.
3. Loosen the set screw inside the tap with a screwdriver.
4. Connect a 1/4" (6 mm) rubber tube to the tap post and a manometer.
5. Verify that the readings obtained are within specs (as shown on the appliance rating plate)
6. Be sure to tighten the set screw inside the tap after you have finished taking pressure readings.
7. Check for leaks.

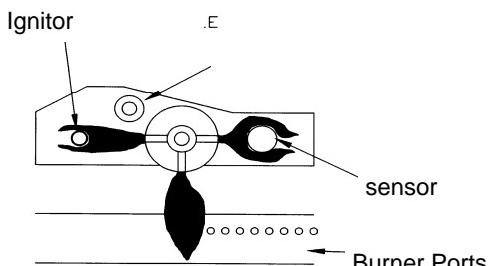
Fig.1



IPI GAS VALVE

CHECKING AND ADJUSTING PILOT

The pilot flame should have the characteristic as shown in the illustration to the right. The flame should not have yellow tips but should engulf the sensor. It can be adjusted by turning the screw marked "pilot" on the control valve.



REPLACING CONVECTION BLOWER

CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.
This appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the **National Electrical Code, ANSI/NFPA 70**, or the **Canadian Electrical code, CSA C22.1**.

NOTES:

- Make sure the gas to the appliance has been shut off.
- Ensure that the main power and breaker system is turned off before removing the fan.
- Make sure the fireplace has been turned off and is cool to the touch.
- Mark all wires to be removed for proper reassembly.

CAUTION: Wiring errors cause improper and dangerous operation.

The convection fan can be accessed either through the front of the insert or through the back of the insert.

TO ACCESS FROM THE FRONT

1. Remove the glass door. Follow GLASS DOOR REMOVAL instructions within this manual.
2. Remove the log set. Follow LOG PLACEMENT instructions within this manual
3. Remove the pan burner. Follow instructions for CHANGING MAIN BURNER ORIFICE within the conversion section of this manual.
4. Remove the access cover (section set at 45 degree angle) of the firebox by removing the 1/4 " hex head screws and lifting out. When replacing make sure to replace the gasket with a new ceramic gasket.
5. Remove the four nuts holding the fan in place.
6. Disconnect the wires.
7. Mark all wires to be removed for proper reassembly.
8. Install new fan in reverse order.
9. Reverse these steps after new fan is installed & tested.

TO ACCESS FROM THE BACK

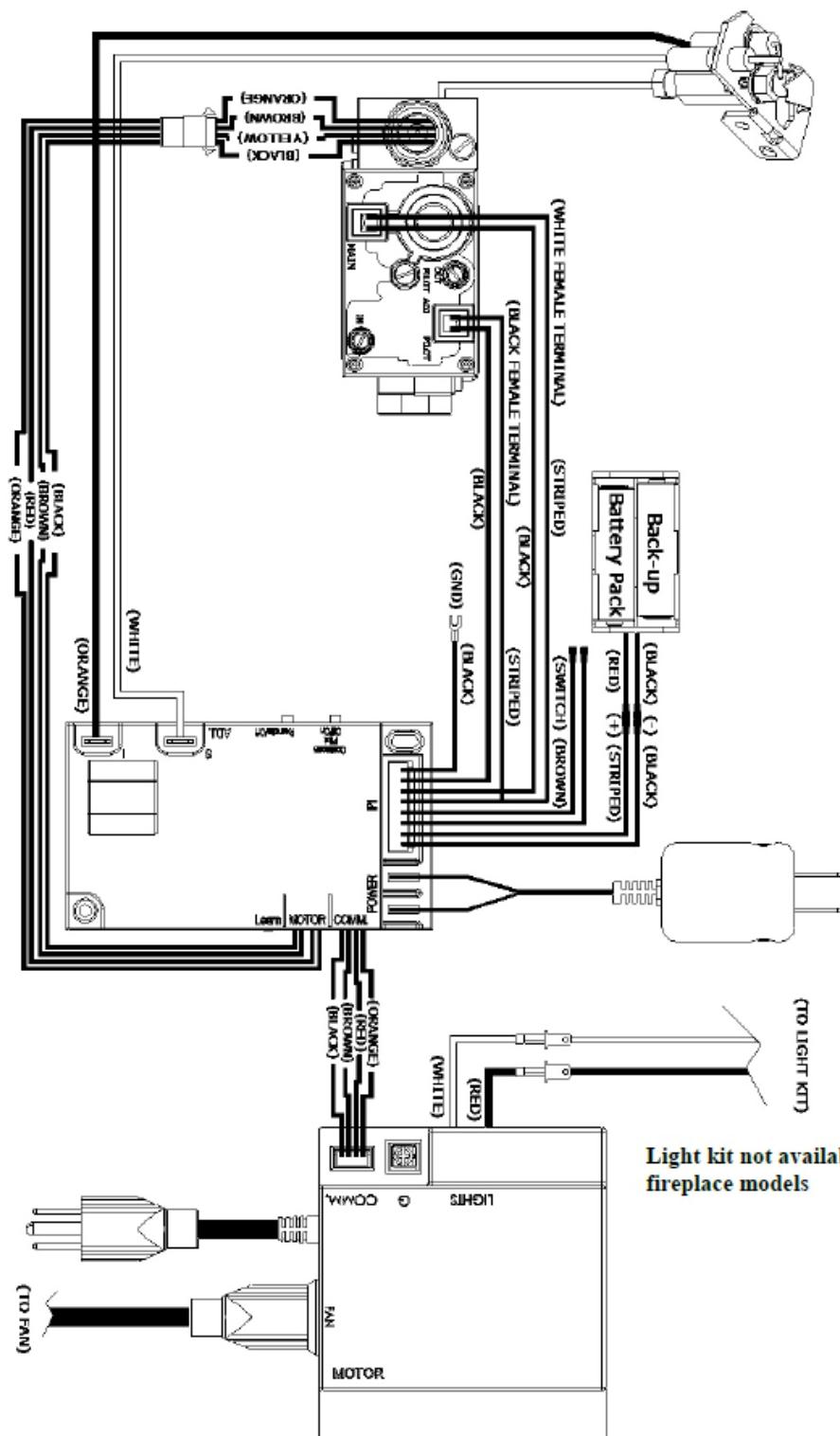
1. Remove the surround by lifting up and forward.
2. Disconnect the gas line.
3. Disconnect the intake and exhaust liners
4. Remove the insert from the fireplace.
5. Remove 1/4" hex head screws and the cover plate at the back of the insert
6. Remove the 1/4" hex head screws holding the fan bracket.
7. Disconnect the wires.
8. Remove the 4 nuts holding the fan to the bracket.
9. Replace the fan with the new fan.
10. Reassemble in the reverse order.

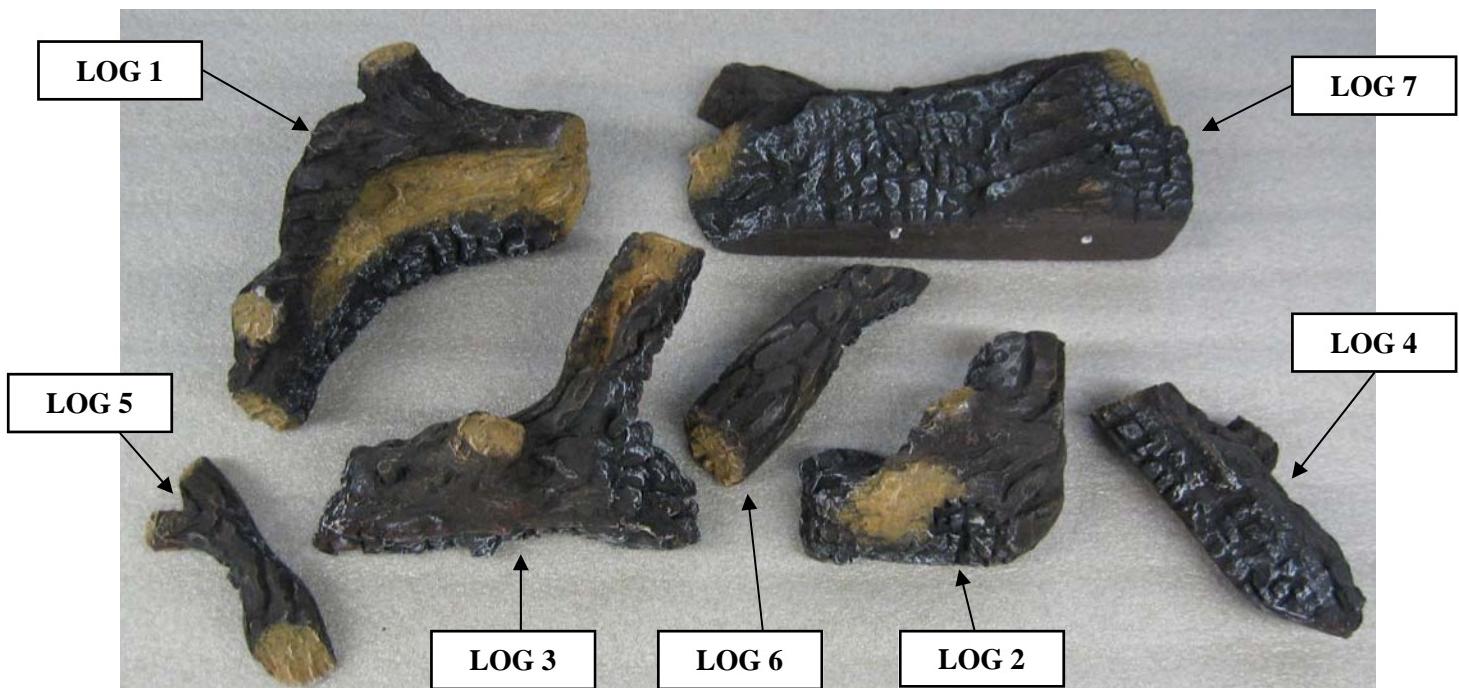
WIRING SCHEMATICS



IMPORTANT: THIS SYSTEM REQUIRES ELECTRICITY (110 V) AND / OR BATTERIES TO OPERATE.

USING BATTERY BACK UP WILL OPERATE BURNER ONLY. FAN COMPONENTS WILL NOT FUNCTION ON BATTERY BACK-UP POWER.





Item #	Item Description	Qty	Unit
310-634720-1	Log 1 (Left Rear)	1	EA
310-634720-2	Log 2 (Right Mid)	1	EA
310-634720-3	Log 3 (Left Mid)	1	EA
310-634720-4	Log 4 (Right)	1	EA
310-634720-5	Log 5 (Left Top)	1	EA
310-634720-6	Log 6 (Front Crossover)	1	EA
310-634720-7	Log 7 (Right Rear)	1	EA
310-0020	Black Embers (2 cup bag)	1	EA

ARCHGARD LIMITED WARRANTY

This Limited Warranty is made by ARCHGARD INDUSTRIES LTD., hereinafter referred to as "Archgard". Archgard warrants to the original purchaser of an Archgard gas burning fireplace (s) that the product will be free of defects in materials and workmanship under normal use and service, for a "lifetime".

INCLUSIONS: "LIFETIME LIMITED WARRANTY"

- ❖ All heat exchangers, combustion chamber, burner tubes and pans.
- ❖ Ceramic Fiber Logs and Ceramic Brick Panels against splitting or cracking from heat exposure.
- ❖ Ceramic Glass against thermal breakage.
- ❖ NOTE: Discoloration and some minor movement of certain parts are normal and are not a defect and therefore, not covered under warranty.

The above will be covered "parts & labor" to the original purchaser for FIVE years and "parts" only thereafter from original date of purchase.

INCLUSIONS: "FIVE YEAR LIMITED WARRANTY"

- ❖ Five year limited warranty on the Burner System. Warranty will cover any defective burner if defect is deemed as original by the manufacturer.
- The above will be covered "parts & labor" to the original purchaser for TWO years and "parts" only thereafter from original date of purchase.

INCLUSIONS: "ONE YEAR LIMITED WARRANTY"

- ❖ All 24 K gold trims and accessories against tarnishing.
- ❖ All trim accessories against tarnishing and paint defects.
- ❖ Blowers, fans and fan motors, wiring, rheostats and thermodiscs.
- ❖ Rocker switches, spill switches and wiring to them.
- ❖ Gas control valves, pilot assemblies including thermopiles, thermocouples, electrodes, and igniters.

The above will be covered "parts & labor" to the original purchaser for ONE year from date of purchase.

EXCLUSIONS:

- ❖ Ember material.
- ❖ Tempered Glass is under warranty for ONE year to the original purchaser from date of purchase.
- ❖ Travel time or mileage to original purchasers residence. Archgard suggests that you pre-arrange travel expenses with your Authorized Archgard Dealer.

WHAT TO DO IN THE EVENT OF A PROBLEM:

- ❖ Thoroughly read your manual.
- ❖ If you cannot solve the problem, contact your Archgard Dealer or representative.
- ❖ When calling for help please have the following information:

Model of your Fireplace	Serial Number	Place of Purchase
Date of Purchase	Problem Description	

- ❖ NOTE: Warranty may be void if work is carried out by an unqualified person (s). Only original Archgard parts may be used. Please consult your Archgard dealer or representative if in doubt about a replacement part (s).

OBTAINING WARRANTY SERVICE:

To obtain warranty service, the original purchaser shall return the defective part (s) to the original authorized Archgard selling dealer transportation prepaid, along with the serial number of the appliance and proof of purchase. Any defective part, in our judgment, will be repaired or replaced at Archgard's discretion. The dealer must obtain approval from Archgard before any repairs are made.

WARRANTY LIMITATION:

THIS LIMITED WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED AS TO QUALITY, MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

The appliance is only warranted for the use as intended by the installation and operating instruction and local building codes. The warranty will not cover damage due to accident, misuse, abuse, alteration, improper installation or "Acts Of God".

This limited warranty is void unless the appliance is installed by a qualified installer, in accordance with the instructions furnished with the appliance. Some Provinces or States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to the original purchaser. Any damage resulting from defects in this product, is limited to the replacement of the defective part (s) and does not include incidental and consequential exposures sustained in connection with the product. This includes facing (s), mantle (s), cabinet (s), tile (s) or any other finishes resulting from removal of any gas appliance. This warranty is limited to residential use only and gives the consumer specific rights. These rights may vary from State to State or Province to Province.

FREQUENTLY ASKED QUESTIONS

Listed below are some frequently asked questions regarding Archgard Gas Fireplaces. If you have questions that are not listed below, or are not answered in this manual, please contact your Authorized Archgard Dealer.

Q. My glass has a condensation “fog” when the appliance is first lit.

A. Condensation is normal and will disappear in a few minutes after the glass is heated.

Q. I have a white “film” on my glass. What is the best way to clean the inside of the glass.

A. Frequent cleaning of your glass is recommended. Archgard recommends using a good quality “gas fireplace” glass cleaner that is available at all authorized dealers. Do not use abrasive materials, and do not clean the glass or the appliance when the unit is hot.

Q. How do I care for my gold plated trims.

A. Archgard recommends a cleaning with a damp cloth. DO NOT use chemical cleaners as they may harm the finish, and void your warranty. NOTE: If the top louvers, or top overlay starts to discolor, check the door gasket seal and replace if necessary.

Q. My fan/blower makes a “whirring” or “humming” noise.

A. Your Archgard gas appliance uses a powerful fan to push heated air into your room. It is not unusual to hear a “humming” noise when your fan is running. Note: the sound will change depending on the setting that your fan speed control is set at.

Q. I hear a “click” when my fan system activates.

A. When your appliance reaches temperature, it will activate the THERMODISC “fan switch”. The switch closes the electrical circuit that allows the fan to turn on. This is a normal sound.

Q. I hear a “ticking”, “cracking” or “pinging” sound when my fireplace is running, and after it is turned off.

A. The different gauges of steel used to manufacture your fireplace will expand and contract at different rates when your fireplace is on, and will continue as your fireplace completes its heating function. You will likely hear these same sounds more on start up and shut down. This is normal for steel fireplaces.

Q. When my appliance is OFF and my pilot light is lit, I hear a “whisper” sound.

A. The lit pilot can make a small noise. Sometimes in extreme wind conditions you may be able to hear air entering into the firebox chamber.

Q. I hear a “click” when my main burner turns ON or OFF.

A. Your Gas Control Valve will make a clicking sound when it opens to allow gas to flow to the main burner. This is a normal part of the operating system.

Q. Can I burn wood and other materials in my gas fireplace.

A. No! Burning anything other than natural or LP gas in a gas fireplace or stove will create a potential fire hazard and present a danger to your home and its occupants. Only burn the gas fuel for which the unit was originally designed.

Q. Can I shut my pilot off in the summer?

A. You will save energy by turning off the pilot light if you are not using your appliance for the hot summer months. Remember to relight it before you want to use the appliance for the first time in the fall. Refer to your owners manual for lighting instructions.

Q. Can I position my gas logs in a different fashion or use a different log set?

A. No. Your gas fireplace is an engineered system that includes the firebox, burner, logs, venting and options which are tested and listed by CSA. Changing any specifications or placement of the logs could void your manufacturer's warranty, and possibly even your homeowner's warranty.

REPLACEMENT PARTS LIST - ARCHGARD 31-DVI33N

Item #	Item Description	Qty	Unit
200-0031	Owner's Manual	1	EA
305-1600	Replacement Fan, twin blower	1	EA
308-6001	Igniter, Skytech Electronic Control Module	1	EA
308-6002	Adaptor, Skytech orifice plug in	1	EA
308-6003	Battery, Back-up Skytech	1	EA
308-6004	Transmitter, Skytech hand held remote	1	EA
308-6005	Orifice, Skytech LSS-42 Rate Screw	1	EA
308-6007	Valve, Skytech w/Step Motor	1	EA
308-6009	Orifice, Skytech LSS-52 Rate Screw	1	EA
305-6310	Communication Wire	1	EA
308-0119	Pilot Assembly, conv. PSE IPI	1	EA
831-0000	Burner Assembly	1	EA
733-0027	Pilot Shield	1	EA
31-CKLP	Conversion Kit NG to LP	1	EA
831-0001	Complete Replacement Door. Includes glass, gasket and door frame	1	EA

NOTES

NOTES

POSTAGE

CUT ALONG LINE

WARRANTY REGISTRATION

ARCHGARD INDUSTRIES LTD.
7116 BEATTY DRIVE
MISSION, B.C. CANADA
V2V 6B4

FOLD DOWN AT LINE

CUT ALONG LINE

FOLD DOWN AT LINE & TAPE CLOSED

Model #: 31-DVI33N Serial #: _____ Date Installed: _____ / _____ / _____
mm dd yyyy

Name: _____ Address: _____

City: _____ State/Prov: _____ ZIP: _____ Phone: (_____) _____

Dealer's Name & Address: _____

City: _____ State/Prov: _____ ZIP: _____ Phone: (_____) _____

Installer's Name & Address: _____

City: _____ State/Prov: _____ ZIP: _____ Phone: (_____) _____

Why did you choose this product? _____

Thank you for purchasing our product and filling out this warranty card.

CUT ALONG LINE

ARCHGARD INDUSTRIES LTD.
7116 BEATTY DRIVE
MISSION, B.C. V2V 6B4
CANADA

WEBSITE: WWW.ARCHGARD.COM